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Oct 15, 1999

DERWENT-ACC-NO: 2000-026763
DERWENT-WEEK: 200010
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TITLE: Positive type photosensitive composition - maintains high sensitivity, has high resolution, and pattern profiling is improved

PATENT-ASSIGNEE:

ASSIGNEE

CODE

FUJI PHOTO FILM CO LTD

FUJF

PRIORITY-DATA: 1998JP-0079458 (March 26, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11282163 A	October 15, 1999		053	G03F007/039

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 11282163A	March 26, 1998	1998JP-0079458	

INT-CL (IPC): C08 F 212/14; C08 F 220/18; C08 K 5/00; C08 L 25/18; C08 L 31/02; C08 L 101/00; G03 F 7/039; H01 L 21/027

ABSTRACTED-PUB-NO: JP 11282163A

BASIC-ABSTRACT:

A positive type photosensitive composition comprises: (A) a compound which generates an acid due to irradiation of active rays or X rays; and (B) a resin which has a repeat unit of formula (I), (II), or (III). R1 = H or methyl. R2, R3 = H, alkyl or aryl optionally having a substituent. They may be the same or different. At least one of them is a group other than H. R4 = cycloalkyl, alkenyl, alkynyl, aralkyl, or aryl, all of which may have a substituent. R5 = -C(R8)(R9)(R10) or -C(R11)(R12)(OR13). R8 through R12 may be the same or different. They are H, alkyl, cycloalkyl, alkenyl, alkynyl, or aryl, all of which may have a substituent. R13 = alkyl, cycloalkyl, or aryl, opt. having a substituent. R6, R7 = halogen, hydroxyl, alkyl, aryl, aralkyl, alkoxy, acyl, or acyloxy. Two of R2 through R4, R7 through R10, and R11 through R15 may be combined to form a ring; m, n = an integer of zero to three.

ADVANTAGE - This composition can maintain high sensitivity. It also has high resolution. Pattern profiling is improved.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: POSITIVE TYPE PHOTOSENSITISER COMPOSITION MAINTAIN HIGH SENSITIVE HIGH RESOLUTION PATTERN PROFILE IMPROVE

DERWENT-CLASS: A13 A14 A89 G06 L03 P84 U11

CPI-CODES: A04-C; A04-F06E4; A08-M08; A12-L02; G06-D06; G06-F03C; G06-F03D; L04-C05;

EPI-CODES: U11-C04;

ENHANCED-POLYMER-INDEXING:

Poly mer Index [1.1] 018 ; H0000 ; G0179 G0102 G0022 D01 D12 D10 D19 D18 D31 D51 D53
D58 D76 D88 F31 F30 D18*R D69 D89 D63 7A*R F32 F33 ; P1741 Polymer Index [1.2] 018 ;
H0000 ; G0339*R G0260 G0022 D01 D12 D10 D26 D51 D53 D63 F41 F89 D11 D13*R D18*R D58
D52 ; P0088 Polymer Index [1.3] 018 ; H0000 ; G0237 G0102 G0022 D01 D12 D10 D18 D51
D53 D11 D13*R D18*R D19 D31 D76 D52 D58 D69 D89 D90 F31 F30 F32 F33 7A*R F34 ; P1741
Polymer Index [1.4] 018 ; H0000 ; G0908 G0873 G0817 D01 D51 D54 D57 D63 D26 D11 D10
D18*R D22*R D58 Polymer Index [1.5] 018 ; H0000 ; G0964 G0817 D01 D51 D54 G0975*R
D55 D12 D10 D11 D18*R D19 D18 D31 D76 D57 D58 D63 D69 D13*R D52 F31 F30 F32 F33 F34
7A*R Polymer Index [1.6] 018 ; ND01 ; Q9999 Q8684 Q8673 Q8606 ; Q9999 Q8673*R Q8606
; B9999 B3463 B3452 B3372 ; B9999 B3510*R B3372 ; B9999 B5094 B4977 B4740 Polymer
Index [1.7] 018 ; A999 A204

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-007036

Non-CPI Secondary Accession Numbers: N2000-020016